

	Hits	Search Text	DBs	Time Stamp
1	70881	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and @pd<20021125	USPAT	2004/07/12 09:11
2	62774	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and (heat or heated or heating) and @pd<20021125	USPAT	2004/07/12 08:33
3	17479	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and (heat or heated or heating) and @pd<20021125 and (fluid or liquid) and (vapor or vaporize or mist)	USPAT	2004/07/12 08:41
4	774	3 and 438/\$.ccls.	USPAT	2004/07/12 08:41
5	431	3 and 62/\$.ccls.	USPAT	2004/07/12 08:41
6	0	4 and 5 and 6	USPAT	2004/07/12 08:41
7	1	4 and 5	USPAT	2004/07/12 08:41
8	431	6 and 6	USPAT	2004/07/12 08:42
9	0	5 and 6	USPAT	2004/07/12 08:42
10	26	4 and (5 or 6)	USPAT	2004/07/12 08:42
11	297	3 and 34/\$.ccls.	USPAT	2004/07/12 09:03
12	21	gray.in. and vacuum and dryer	USPAT	2004/07/12 09:05
13	297	3 and 34/\$.ccls.	USPAT	2004/07/12 09:05

	Hits	Search Text	DBs	Time Stamp
14	821	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and @pd<20021125	EPO; JPO; DERWEN T	2004/07/12 09:13
15	336	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$	EPO; JPO; DERWEN T	2004/07/12 09:14
16	3	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and (fluid or liquid) and (vapor or vaporize or mist)	EPO; JPO; DERWEN T	2004/07/12 09:16
17	3	(dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$ or sucking) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and (fluid or liquid) and (vapor or vaporize or mist)	EPO; JPO; DERWEN T	2004/07/12 09:17

	Hits	Search Text	DBs	Time Stamp
18	0	(drier or dryer) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$ or sucking) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and (spray or sprarying) and (vapor or vaporize or mist)	EPO; JPO; DERWEN T	2004/07/12 09:18
19	1	(drier or dryer) and (vacuum or suction or evacuat\$ or sucking) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and (spray or sprarying) and (vapor or vaporize or mist)	EPO; JPO; DERWEN T	2004/07/12 09:19
20	1	(drier or dryer) and (vacuum or suction or evacuat\$ or sucking) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and spray and (vapor or mist\$)	EPO; JPO; DERWEN T	2004/07/12 09:20
21	0	((drier or dryer) adj (vacuum or suction or evacuat\$ or sucking)) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and spray and (vapor or mist\$)	EPO; JPO; DERWEN T	2004/07/12 09:21
22	0	((drier or dryer) adj3 (vacuum or suction or evacuat\$ or sucking)) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and spray and (vapor or mist\$)	EPO; JPO; DERWEN T	2004/07/12 09:21
23	0	((drier or dryer or dry or drying or dried) adj3 (vacuum or suction or evacuat\$ or sucking)) and (chamber or container or vessel or enclosure) and @pd<20021125 and heat\$ and spray and (vapor or mist\$)	EPO; JPO; DERWEN T	2004/07/12 09:21

	Hits	Search Text	DBs	Time Stamp
24	0	(vacuum adj5 (dryer or drier or drying)) and @pd<20021125 and heat\$ and spray and (vapor or mist\$)	EPO; JPO; DERWEN T	2004/07/12 09:22
25	4	(vacuum and (dryer or drier or drying)) and @pd<20021125 and heat and spray and (vapor or mist\$)	EPO; JPO; DERWEN T	2004/07/12 09:22

## Refine Search

### Search Results -

Terms	Documents
34/\$.ccls. and L3	321

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L4





### Search History

DATE: Monday, July 12, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> <u>Query</u> side by side	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>		
L4    34/\$.ccls. and L3 (dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and (@pd<20021125) and heat and (fluid or liquid) and (vapor or vaporize or mist)	321	L4
L3    (dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and (@pd<20021125) and heat\$ and (fluid or liquid) and (vapor or vaporize or mist)	17722	L3
L2    (dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and (@pd<20021125) and heat\$ and (fluid or liquid) and (vapor or vaporize or mist)	22824	L2
L1    (dry or drying or drier or dryer or dried) and (inert or non-condensable or n2 or nitrogen or argon) and (vacuum or suction or evacuat\$) and (chamber or container or vessel or enclosure) and (@pd<20021125)	85785	L1

END OF SEARCH HISTORY

Welcome to DIALOG

Dialog level 04.09.00D

Logon file001 12jul04 08:24:36

SYSTEM:OS - DIALOG OneSearch

File 9:Business & Industry(R) Jul/1994-2004/May 25

(c) 2004 The Gale Group

File 610:Business Wire 1999-2004/May 26

(c) 2004 Business Wire.

\*File 610: File 610 now contains data from 3/99 forward.

Archive data (1986-2/99) is available in File 810.

File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire

File 275:Gale Group Computer DB(TM) 1983-2004/May 26

(c) 2004 The Gale Group

File 15:ABI/Inform(R) 1971-2004/May 25

(c) 2004 ProQuest Info&Learning

\*File 15: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 476:Financial Times Fulltext 1982-2004/May 26

(c) 2004 Financial Times Ltd

File 624:McGraw-Hill Publications 1985-2004/May 25

(c) 2004 McGraw-Hill Co. Inc

\*File 624: Homeland Security & Defense and 9 Platt energy journals added

Please see HELP NEWS624 for more

File 636:Gale Group Newsletter DB(TM) 1987-2004/May 26

(c) 2004 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2004/May 25

(c) 2004 The Gale Group

File 613:PR Newswire 1999-2004/May 26

(c) 2004 PR Newswire Association Inc

\*File 613: File 613 now contains data from 5/99 forward.

Archive data (1987-4/99) is available in File 813.

File 813:PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc

File 16:Gale Group PROMT(R) 1990-2004/May 26

(c) 2004 The Gale Group

\*File 16: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 634:San Jose Mercury Jun 1985-2004/May 25

(c) 2004 San Jose Mercury News

File 148:Gale Group Trade & Industry DB 1976-2004/May 26

(c)2004 The Gale Group

\*File 148: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 20:Dialog Global Reporter 1997-2004/May 26  
(c) 2004 The Dialog Corp.

File 35:Dissertation Abs Online 1861-2004/Apr  
(c) 2004 ProQuest Info&Learning

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

\*File 583: This file is no longer updating as of 12-13-2002.

File 65:Inside Conferences 1993-2004/May W4  
(c) 2004 BLDSC all rts. reserv.

File 2:INSPEC 1969-2004/May W3  
(c) 2004 Institution of Electrical Engineers

\*File 2: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.

File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.

File 474:New York Times Abs 1969-2004/May 25  
(c) 2004 The New York Times

File 475:Wall Street Journal Abs 1973-2004/May 25  
(c) 2004 The New York Times

File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr  
(c) 2004 The HW Wilson Co.

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Apr  
(c)2004 Info.Sources Inc

File 348:EUROPEAN PATENTS 1978-2004/May W03  
(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040520,UT=20040513  
(c) 2004 WIPO/Univentio

File 347:JAPIO Nov 1976-2004/Jan(Updated 040506)  
(c) 2004 JPO & JAPIO

\*File 347: JAPIO data problems with year 2000 records are now fixed. Alerts have been run. See HELP NEWS 347 for details.

File 635:Business Dateline(R) 1985-2004/May 25  
(c) 2004 ProQuest Info&Learning

File 387:The Denver Post 1994-2004/May 25  
(c) 2004 Denver Post

File 471:New York Times Fulltext 90-Day 2004/May 26  
(c) 2004 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

\*File 492: Not updating. See instead File 990 for current articles from the Arizona Republic.

File 494:St LouisPost-Dispatch 1988-2004/May 24  
(c) 2004 St Louis Post-Dispatch

File 498:Detroit Free Press 1987-2004/Apr 27  
(c) 2004 Detroit Free Press Inc.

File 631:Boston Globe 1980-2004/May 25

(c) 2004 Boston Globe  
 File 633:Phil.Inquirer 1983-2004/May 24  
 (c) 2004 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2004/May 26  
 (c) 2004 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2004/May 26  
 (c) 2004 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2004/May 20  
 (c) 2004 Scripps Howard News  
 File 702:Miami Herald 1983-2004/May 20  
 (c) 2004 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2004/May 25  
 (c) 2004 USA Today  
 File 704:(Portland)The Oregonian 1989-2004/May 25  
 (c) 2004 The Oregonian  
 File 713:Atlanta J/Const. 1989-2004/May 23  
 (c) 2004 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2004/May 25  
 (c) 2004 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2004/May 26  
 (c) 2004 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Aug 1991-2004/May 24  
 (c) 2004 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2004/May 25  
 (c) 2004 St. Petersburg Times  
 File 477:Irish Times 1999-2004/May 26  
 (c) 2004 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2004/May 25  
 (c) 2004 Times Newspapers  
 File 711:Independent(London) Sep 1988-2004/May 26  
 (c) 2004 Newspaper Publ. PLC  
 \*File 711: Use File 757 for full current day's news of the Independent, as  
 as well as full coverage of many additional European news sources.  
 File 756:Daily/Sunday Telegraph 2000-2004/May 26  
 (c) 2004 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2004/May 26  
 (c) 2004

Set	Items	Description
S1	0	VACUUM W3 DRY
S2	136212	VACUUM AND (DRY OR DRYING OR DRIER OR DRYER)
S3	37615	S2 AND HEAT AND (INERT OR ARGON OR NITROGEN OR NON-CONDENS-ABLE)
S4	29873	S3 AND PD<20021125
S5	9582	S4 AND (CHAMBER OR CONTAINER OR VESSEL OR ENCLOSURE) AND (-



WAFER OR SUBSTRATE OR SEMICONDUCTOR OR CHIP)

S6	9582	S5 AND HEAT
S7	0	S6 AND (DRY W3 CLEANING)
S8	2312	S6 AND ETCH?
S9	1463	S8 AND VAPOR?
S10	392	S9 AND RINS?
S11	391	RD (unique items)